
**Parallel shank countersinks for angles
60, 90 and 120 degrees inclusive**

*Outils à chanfreiner à queue cylindrique, à angle au sommet de 60, 90
et 120 degrés*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html

The committee responsible for this document is ISO/TC 29, *Small tools*, Subcommittee SC 9, *Tools with defined cutting edges, cutting items*.

This second edition cancels and replaces the first edition (ISO 3294:1975), of which it constitutes a minor revision.

Parallel shank countersinks for angles 60°, 90° and 120° inclusive

1 Scope

This International Standard specifies the dimensions of parallel shank countersinks for angles 60°, 90° and 120° inclusive.

It specifies dimensions in metric units only, these being regarded as the only recommended dimensions in the future, for countersinks with cutting diameters in the range 8 mm to 25 mm.

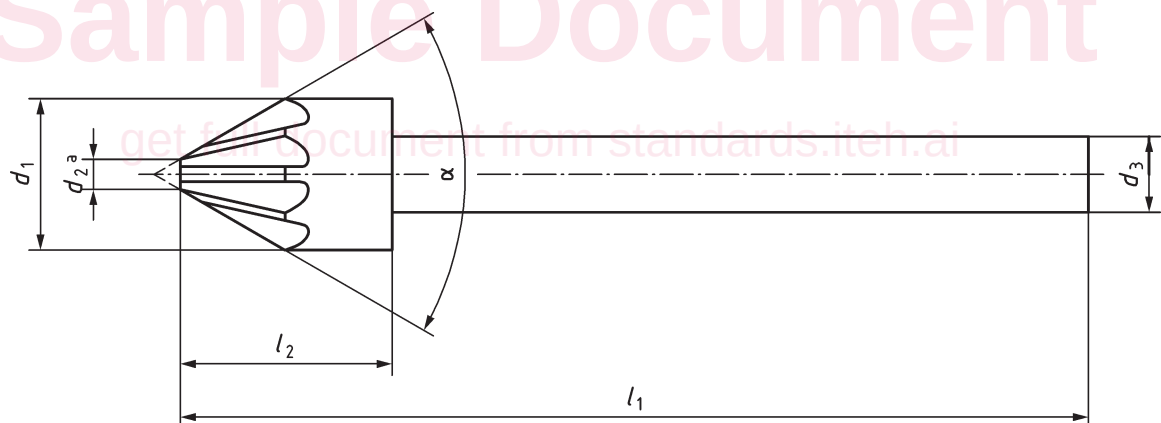
The dimensions apply only to tools made from high-speed steel. However, if the method of production allows, the shanks may be manufactured from a suitable alternative material, such as a carbon steel.

Unless otherwise indicated, the countersinks will be right-hand cutting.

Morse taper shank countersinks are the subject of ISO 3293.

2 Dimensions

See [Figure 1](#) and [Table 1](#).



Key

α = 60°, 90° or 120° inclusive (tolerance: ${}^0_{-1^\circ}$)

Figure 1